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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: 10/809,109  
Filed: March 25, 2004  
Inventor(s):  
John A. Pasquarette, Philippe G. Joffrain,  
Christopher G. Cifra, Alain G.  
Moriart, Christophe A. Restat, and J.  
Clinton Fletcher

Title: SWEEP MANAGER FOR  
SIGNAL ANALYSIS

Examiner: Unknown  
Group/Art Unit: 2173  
Atty. Dkt. No: 5150-82600

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date indicated below.

Jeffrey C. Hood

*Jeffrey C. Hood* 3/1/2005  
Signature Date

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Applicant requests consideration of ☒ the references listed on the attached Form PTO-1449 and/or ☐ the additional information identified below in paragraph 3. A copy of references A15-A76 and A91 listed on the Form PTO-1449 are enclosed.

1. This Information Disclosure Statement is submitted:

- a. ☐ within 3 months of the filing date of a national application other than a continued prosecution application under § 1.53(d);  
☐ within 3 months of the date of entry of the national stage as set forth in § 1.491 in an International application;  
☒ before the mailing date of a first Office Action on the merits; or  
☐ before the mailing of a first Office Action after the filing of a request for continued examination under § 1.114.

- b. ☐ after the events of above paragraph 1a and prior to the mailing date of a final Office Action or Notice of Allowance, and thus: ☐ the certification of paragraph 2 below is provided, or ☐ a fee of \$180.00 is enclosed below.
- c. ☐ after the mailing date of a final Office Action or a Notice of Allowance and prior to payment of the issue fee, and thus: the certification of paragraph 2 below is provided and a fee of \$180.00 is enclosed below.
2. It is hereby certified:
- ☐ that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or
- ☐ that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in § 1.56 (c) more than three months prior to the filing of the Statement.
3. ☐ Consideration of the following additional information (including any co-pending or abandoned U.S. applications, prior uses and/or sales, etc.) is requested:
4. For each non-English language reference listed on the attached Form PTO-1449:
- ☐ reference is made to an English language translation submitted herewith, and/or
- ☐ reference is made to a foreign patent office search report (in the English language) submitted herewith, and/or
- ☐ reference is made to an English language translation of a foreign patent office search report submitted herewith, and/or
- ☐ reference is made to the concise explanation contained in the specification of the present application at page(s) \_\_\_\_\_, and/or
- ☐ reference is made to the concise explanation set forth below:
5. ☐ Applicant also offers the following comments for the Examiner's consideration:
6. ☐ Also enclosed is a copy of a foreign search report citing these references.
7. ☐ The listed documents were brought to the attention of the Applicant(s) after payment of the issue fee in the captioned case. The documents were cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. Applicant(s) request this Information Disclosure Statement and attached Form PTO-1449 be placed in the file of the captioned application.

8. ☐ Applicant(s) requests that the Information Disclosure Statement and attached Form PTO-1449 and references, which are being filed before the grant of the patent and pursuant to 37 C.F.R. § 1.97(i), be placed in the file of the captioned application.

Applicant does not believe that any fees are required relating to this Information Disclosure Statement. The Commissioner is hereby authorized to charge any fees which may be required or credit any overpayment to Meyertons, Hood, Kivlin, Kowert & Goetzel PC, Deposit Account No. 50-1505/5150-82600/JCH.

Respectfully submitted,



Jeffrey C. Hood  
Reg. No. 35,198  
Attorney for Applicant(s)

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Date: 3/1/2005

**Form PTO-1449** (modified)  
List of Patents and Publications  
For Applicant's Information  
Disclosure Statement  
Additional sheets if necessary)



ATTY. DOCKET NO: 5150-82600

SERIAL NO: 10/809,109

APPLICANT: Pasquarette et al.

FILING DATE: March 25, 2004

GROUP: <sup>2857</sup>~~2173~~**U.S. PATENT DOCUMENTS**

EXAM. INITIALS	REF. DES	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
/CT/	A1	5,940,296	08/17/1999	Meyer			
	A2	5,481,712	01/02/1996	Silver et al.			
	A3	6,094,526	Withdrawn	Marrion et al.			
	A4	5,911,070	06/08/1999	Solton et al.			
	A5	6,288,474	09/11/2001	Ono et al.			
	A6	6,061,602	05/09/2000	Meyer			
	A7	6,763,515	07/13/2004	Vazquez et al.			
	A8	6,408,429	06/18/2002	Marrion, Jr. et al.			
	A9	4,831,580	05/1989	Yamada			
	A10	5,005,119	04/1991	Rumbaugh et al.			
	A11	6,167,562	12/2000	Kaneko			
	A12	6,226,783	05/2001	Limondin et al.			
	A13	6,298,474	10/2001	Blowers et al.			
/CT/	A14	6,637,022	10/2003	Weeren et al.			

**OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

/CT/	A15	Optilab "Image Processing and Analysis Software for the Apple Macintosh™ II, User's Manual, dated 1990.
	A16	MacUser, John Rizzo, Image Analyst and Enhance, July 1990, pp. 55-58.
	A17	SPIE - The International Society for Optical Engineering, Steven Rosenthal and Larry Stahl Aerg, "Integrated Approach to Machine Vision Application Development", Volume 1386, November 8, 1990, pp. 158-162.
	A18	Automatix News Release, <a href="http://www.applefritter.com/macclones/automatix/newsrelease">www.applefritter.com/macclones/automatix/newsrelease</a> , "Vision for Process Feedback and Control, 07/03/2000, pp 1-3.
	A19	IPLab, Serious Image Processing for the Macintosh II, 1990.
/CT/	A20	SPIE - The International Society for Optical Engineering, Michael S. Mort and Robert J. Fontana, "Low Cost Image Analysis Workstation Which is Menu Driven and Extensible," Volume 1232, February 4, 1990, pp. 380-389.

EXAMINER: /Carol Tsai/

DATE CONSIDERED: 04/11/2008

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the patent owner.

<b>Form PTO-1449</b> (modified) List of Patents and Publications For Applicant's Information Disclosure Statement (Use several sheets if necessary)		ATTY. DOCKET NO: 5150-82600		SERIAL NO: 10/809,109	
		APPLICANT: Pasquarette et al.			
		FILING DATE: March 25, 2004		2857 GROUP: <del>2179</del>	
<b>OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)</b>					
/CT/	A21	IPLab™, User's Guide, Signal Analytics Corporation, 1991.			
	A22	MacGuide Magazine, Volume 2, Issue 4, Stuart Gitlow, M.D., "X-Ray Vision," June 1989, pp. 84-94.			
	A23	Ric Ford, Optimage Processes Scientific Images, 1994.			
	A24	Signal Analytics Corp., News Release, "Signal Analytics Brings Powerful Scientific Image Processing to the Macintosh II", February 1, 1990 (2 pgs.).			
	A25	IPLab, "Serious Scientific Image Processing for the Macintosh II", 1992 (4 pgs.).			
	A26	IPLab, "Gives You Unparalleled Value", 1992, (6 pgs.).			
	A27	Signal Analytics Corp., "IPLab Brings Affordable Scientific Image Processing to the Macintosh II estimated 1990 (2 pgs.).			
	A28	Automatix Inc., "A Seminar on Machine Vision & Image Analysis", 1993, (46 pgs.).			
	A29	National Instruments, Measurement and Automation Catalogue, Interactive Vision Software, 1990, pp. 518-520.			
	A30	MacUser, "Ultimage and IPLab Spectrum", July 1991, (5 pgs.).			
	A31	Advanced Imaging, Special Report: Imaging and the Macintosh/Robust Image Databases, April 1991, pp. 18-32.			
	A32	"TMAQ Vision Builder Tutorial," National Instruments, January 1999.			
	A33	Hunt, Neil, "IDF: A graphical datadlow programming language for image processing and computer vision", p. 351-360, IEEE 1990, retrieved from the IEEE database Jan. 7, 2003			
	A34	Keddy, W.A., Agathoklis, P., "DEDIP: A user-friendly environment for digital image processing algorithm development", p. 733-736, IEEE 1991, retrieved from the IEEE database Jan. 7, 2003			
	A35	Konstantinides, Konstantinos, Rasure, John R., "The Khoros Software Development Environment for Image and Signal Processing", p. 1-14., 1992, retrieved from <a href="http://www.hpl.hp.com/techreports/92/HPL-92-96.pdf">http://www.hpl.hp.com/techreports/92/HPL-92-96.pdf</a> on Jan. 7, 2003			
/CT/	A36	Sim, Young-Seok, Lim, Chae-Seong, Moon, Young-Shik, Park, Sung-Han, "Design and Implementation of the Visual Programming Environment for the Distributed Image Processing", pp. 149-152, IEEE 1996, retrieved from IEEE database Jan. 7, 2003			
EXAMINER: /Carol Tsai/		DATE CONSIDERED: 04/11/2008			
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APPLICANT: Pasquarrette et al.

2857

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GROUP: ~~2472~~

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/CT/	A37	Baican et al., "Analog Signal Acquisition and Processing by Virtual Instrumentation," Studia Universitatis Babes-Bolyai, Physica, Special Issue 2001, (Pages 303-312)
	A38	D. Austin Henderson, "The Trillium User Interface Design Environment," Chi '86 Proceedings, ACM 0-8791-180-6/86/0400-0221, April 1986, (pages 221-227)
	A39	Takigishi et al., "User-Oriented Flexible Operator Station for Distributed Process Control Systems," ISA, 1984, 0-87664-826-X/84/0953-13, (pages 953-965)
	A40	Timothy Miller, "Bit-Mapped Graphics Editor Simplifies High Resolution Display Building," Control Engineering, April 1984, (pages 111-112)
	A41	Arnold R. Miller, "The Programmable Controller Based Distributed Control System," ISA, 1984, 0-87664-826-X/84/01019-14/50, (pages 1019-1032)
	A42	"PCIL Launches Intelligent, easy to use Process Visual Display," Headline News & Products, July 1984, (1 page)
	A43	Nages et al., "Rapid Prototyping for the Human/Process Interface," ISA, 1984 0-87664-826-X/84/0929-13, (pages 929-941)
	A44	Granieri et al., "An Approach to an Open-Architecture Functional Testing System," CH1921-6/84-0000-0362, 1984 IEEE, (pages 362-369)
	A45	Catalano et al., "The Use of Touchsensitive video displays in on line control systems," CH1897-8/83/0000-0001, 1983 IEEE, (pages 1-6)
	A46	Douglas R. Haroldsen, "Software Package lets PC Control Instruments with a Touch," Personal Computer Series, Electronic Design, October 31, 1984 (pages 180-192)
	A47	Quick Start Guide (32 pages)
	A48	"Snap-Master Overview," Data Acquisition," Snap-Master™ for Windows, 2004, (2 pages)
	A49	Bhaskar et al., "Visual Instruments: Object Oriented Program Synthesis," OOPSLA '86 Proceedings, September 1986, (pages 303-314)
	A50	HEM Data Corporation, "Data Acquisition," Snap-Master™ for Windows, 2004, (4 pages)
	A51	"Agilent VEE Better Tests, Faster," Agilent Technologies, April 1, 2003, (6 pages)
	A52	"Agilent Pro 7.0 VEE Better Tests, Faster," Agilent Technologies, 2004, (5 pages)
	A53	"Agilent VEE Pro-VEE Pro User's Guide," Agilent Technologies, 2003, (574 pages)
	A54	"IMAQ- NI Vision Assistant Tutorial," National Instruments, Part Number 322228D-01, June 2003 Edition
	A55	National Instruments VirtualBench, "Getting Started with VirtualBench," National Instruments Corporation, Part Number 321518E-01, January 2000 Edition
/CT/	A56	National Instruments Motion Control, "Motion Assistant™ Help," National Instruments Corporation, Part Number 370462D-01, February 2004 Edition, (73 pages)

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DATE CONSIDERED:

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APPLICANT: Pasquarette et al.

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FILING DATE: March 25, 2004

GROUP: 2175

**OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

/CT/	A57	National Instruments, "Measurement Studio™ User Manual," National Instruments Corporation, Part Number 323392B-01, July 2004 Edition
	A58	"TINA PRO- The Complete Electronics Lab for Windows," Quick Start, DesignSoft, Inc. ©1990-2002
	A59	"Snap-Master™ for Windows," Snap-Master Utilities, (11 pages)
	A60	National Instruments, "LabWindows™/CVI – Getting Started with LabWindows/CVI," National Instruments Corporation, Part Number 323552A-01, June 2003 Edition
	A61	ErgoTech Systems, Inc., "ErgoVU™: Factory Automation Information HMI Portal/ Web Appliance," (1 page)
	A62	ErgoTech Systems, Inc., "Virtual Instrumentation Beans™: Java Components for Factory Automation," (1 page)
	A63	ErgoTech Systems, Inc., "TransSECS Tech Note: Building a Think & Do™: SECS Equipment Application with TransSECS™," 2001-2002(16 pages)
	A64	Argonaut, "Laboratory Operating System Using Camilenet™ Network," Argonaut Technologies, CamileTG® Software, 2003 (2 pages)
	A65	Argonaut, "CamileTG® Software," Argonaut Technologies, 2003 (2 pages)
	A66	Argonaut, "Computer Controlled Chemistry," Argonaut Technologies, CamileTG® Software, 2003 (1 page)
	A67	Argonaut, "Maximize Power with New the MultiApps Functionality and Har Independence," Argonaut Technologies, CamileTG® Software, 2003 (2 pages)
	A68	HEM Data Corporation, "Waveform Analyzer," Snap-Master™ for Windows, 2004, (2 pages)
	A69	CTC PC-Based Control Technical Brochure, "The Shortest Distance Between Man and Machine," Parker Automation, 3/02 (14 pages)
	A70	Parker Automation, "Three Levels of Products," Parker Hannifin Corporation, 2003 (6 pages)
	A71	CTC Parker Automation, "Fully Integrate Your HMI and PC-Based Control with Machine Shop™," The Shortest Distance Between Man and Machine, Parker Hannifin Corporation, 8/99 (7 pages)
	A72	Parker Automation, "ACR-MotionMax User Interface Manual" Anything Parker Possible™, Version 1.0, April 2004 (76 pages)
	A73	"Gedae: Effortless Transition Between Design and Hardware," <a href="http://www.gedae.com">www.gedae.com</a> 2004 (2 pages)
	A74	"MachineLogic Getting Started Guide," Parker Automation-CTC, 2004 (60 pages)
	A75	T.K. Barnaby, "An Exploration of the Virtual Instrumentation Concept," Thesis presented to the University of Wales, Department of Electrical and Electronic Engineering, November 1983, (59 pages)
/CT/	A76	SoftWIRE™ "Graphical Programming for Visual Basic," (41 pages)

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APPLICANT: Pasqualette et al.

2857

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GROUP: ~~2473~~**U.S. PATENT DOCUMENTS**

EXAM. INITIALS	REF. DES	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
/CT/	A77	6,839,727	1/4/05	Kechriotis			
	A78	4,570,217	2/11/86	Allen et al.			
	A79	5,309,556	5/3/94	Sismilich			
	A80	4,849,880	7/18/89	Bhaskar et al.			
	A81	5,479,643	12/26/95	Bhaskar et al.			
	A82	5,371,851	12/6/94	Pieper et al.			
	A83	5,657,221	8/12/97	Warman et al.			
	A84	20030043175	3/6/03	Vazquez et al.			
	A85	20020126151	9/12/02	Chandhoke et al.			
	A86	20020191023	12/19/02	Chandhoke et al.			
	A87	20020129333	9/12/02	Chandhoke et al.			
	A88	20040221238	11/4/04	Cifra et al.			
	A89	20020186245	12/12/02	Chandhoke et al.			
/CT/	A90	20030227483	12/11/03	Schultz et al.			

**FOREIGN PATENT DOCUMENTS**

EXAM. INITIAL	REF. DES	DOCUMENT NUMBER	DATE	COUNTRY	CLAS S	SUB CLASS	TRANSLATION
/CT/	A91	EP0474752	12/6/00	EP			

XAMINER: /Carol Tsai/

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